

Having thus described the invention, it is so claimed:

1. In apparatus comprising depositing means for depositing a layer of foamed plastic material on an underlying roof surface along a path having a beginning end and an ending end, support means for supporting said depositing means for movement on said underlying surface along said path, moving means for moving said support means along said path, and control means for controlling said moving means, the improvement comprising: said control means including means controlling said moving means for varying the rate of movement of said support means along said path for a layer of foamed plastic material deposited on said underlying surface to slope relative thereto along at least a portion of said path between said beginning end and said ending end.

2. Apparatus according to claim 1, wherein said moving means includes an electric drive motor.

3. Apparatus according to claim 1, wherein said moving means includes a variable speed drive motor and said control means includes means for progressively changing the speed of said motor during movement of said support means along said portion of said path.

4. Apparatus according to claim 3, wherein said means for progressively changing the speed of said motor progressively increases the speed thereof.

5. Apparatus according to claim 3, wherein said means for progressively changing the speed of said motor progressively decreases the speed thereof.

6. Apparatus according to claim 3, wherein said means for progressively changing the speed of said motor includes means for, selectively, progressively increasing and progressively decreasing the speed thereof.

7. Apparatus according to claim 1, wherein said support means includes a plurality of wheels and said moving means includes an electric motor for driving at least one of said wheels.

8. Apparatus according to claim 7, wherein said moving means includes a variable speed drive motor and said control means includes means for progressively changing the speed of said motor during movement of said support means along said portion of said path.

9. Apparatus according to claim 8, wherein said means for progressively changing the speed of said motor includes means for, selectively, progressively increasing and progressively decreasing the speed thereof.

10. Apparatus according to claim 8, wherein said means for progressively changing the speed of said motor progressively increases the speed thereof.

11. Apparatus according to claim 8, wherein said means for progressively changing the speed of said motor progressively decreases the speed thereof.

12. Apparatus according to claim 8, wherein said depositing means includes a foam material dispenser and means for displacing said dispenser relative to said support means in laterally opposite directions relative to said path.

13. Apparatus according to claim 12, wherein said means for progressively changing the speed of said motor includes means for, selectively, progressively increasing and progressively decreasing the speed thereof.

14. Apparatus according to claim 1, wherein said moving means includes a variable speed drive motor and said control means includes means for, selectively, progressively increasing, progressively decreasing, and maintaining a uniform speed for said motor during movement of said support means along said path.

15. A method of applying a layer of foamed plastic material on an underlying roof surface along a path having a beginning end and an ending end, comprising depositing foamed plastic material on said surface in the direction from said beginning end toward said ending end, and controlling the depositing of material for the deposited material to slope relative to said surface along at least a portion of said path between said beginning end and said ending end.

16. The method according to claim 15, and controlling the depositing for said material to progressively increase in thickness relative to said surface along said portion of said path.

17. The method according to claim 15, and controlling the depositing for said material to progressively decrease in thickness relative to said surface along said portion of said path.

18. The method according to claim 15, wherein said portion of said path has a starting end and a stopping end, and controlling the depositing for said material, selectively, to one of progressively increase in thickness and progressively decrease in thickness from said starting end to a location between said starting end and said stopping end and then to the other of progressively increase in thickness and progressively decrease in thickness from said location to said stopping end.

19. The method according to claim 18, and controlling the depositing for said material to progressively increase in thickness from said starting end to said location.

20. The method according to claim 18, and controlling the depositing for said material to progressively decrease in thickness from said starting end to said location.

21. The method according to claim 15, and controlling the depositing of material for the material to have a uniform thickness relative to said surface along another portion of said path.

22. The method according to claim 15, including the further steps of providing a spray applicator for said foamed plastic material, moving said spray applicator along said path in the direction from said beginning end toward said ending end, and reciprocating said applicator in laterally opposite directions relative to said path during said moving.

23. The method according to claim 22, wherein said spray applicator is on a wheeled support including a variable speed motor for moving the support along said path, and varying the speed of said motor during movement of said support along said portion of said path.

24. The method according to claim 23, and, selectively, one of increasing and decreasing the speed of the motor during movement of said support along said portion of said path.

25. The method according to claim 24, and the other of increasing and decreasing the speed of the motor during movement of said support along another portion of said path.

26. The method according to claim 25, and maintaining a uniform speed of said motor during movement of said support along a further portion of said path.

27. The method according to claim 23, wherein said portion of said path is a first portion, and maintaining a uniform speed of said motor during movement of said support along a second portion of said path.

28. The method according to claim 27, and varying the speed of said motor during movement of said support along a third portion of said path.

29. The method according to claim 15, wherein said portion of said path has a starting end and a stopping end, and controlling the depositing for said material, selectively, to one of progressively increase in thickness, progressively decrease in thickness, and be of uniform thickness from said starting end to said stopping end.